

**WEEKLY PROGRESS UPDATE
FOR AUGUST 26 – AUGUST 30, 2002**

**EPA REGION I ADMINISTRATIVE ORDERS SDWA 1-97-1019 & 1-2000-0014
MASSACHUSETTS MILITARY RESERVATION
TRAINING RANGE AND IMPACT AREA**

The following summary of progress is for the period from August 26 through August 30, 2002.

1. SUMMARY OF ACTIONS TAKEN

Drilling progress as of August 30 is summarized in Table 1.

Table 1. Drilling progress as of August 30, 2002				
Boring Number	Purpose of Boring/Well	Total Depth (ft bgs)	Saturated Depth (ft bwt)	Completed Well Screens (ft bgs)
MW-233	Base WS-4 sentry well (WS4P-2)	415	199	
MW-235	Central Impact Area (CIAP-24)	330	202	
MW-236	L Range (LP-9)	250	153	

bgs = below ground surface
bwt = below water table

Commenced well installation of MW-233 (WS4P-2), and completed drilling of MW-235 (CIAP-24) and MW-236 (LP-9).

Samples collected during the reporting period are summarized in Table 2. Groundwater profile samples were collected from MW-235 and MW-236. Groundwater samples were collected from Bourne supply, test, and monitoring wells, as part of the Site-Wide Perchlorate sampling, as part of the August Long Term Groundwater monitoring round, and from Snake Pond drivepoints. Water samples were collected from the GAC treatment system. Surface water samples were collected from Snake Pond.

As part of the Munitions Survey Project, pre-detonation and post-detonation soil samples were collected from the Scar Rocket site.

The following are the notes from the August 29, 2002 Technical Team meeting at the IAGWSPO:

Participants

Ben Gregson (IAGWSPO)	Tina Dolen (IAGWSPO)	Karen Wilson (IAGWSPO)
Bill Gallagher (IAGWSPO)	Karen Wilson (IAGWSPO)	Dave Hill (IAGWSPO)
LTC Will Tyminski (MAARNG)	Desiree Moyer (EPA)	Todd Borci (EPA-phone)
Len Pinaud (MADEP)	Mark Panni (MADEP)	Darrel Deleppo (ACE)
Gina Tyo (ACE)	Heather Sullivan (ACE)	Ellen Iorio (ACE)
Rob Foti (ACE)	John MacPherson (ACE)	Don Wood (ACE)
Rob Clemens (AMEC)	Jay Clausen (AMEC-phone)	Joe Robb (AMEC)
Joanne Muzzin (AMEC-phone)	Larry Pannell (Jacobs Eng)	Leo Montroy (Tt-phone)
Susan Stewart (Tt-phone)	Larry Hudgins (Tetra Tech)	Adam Balogh (TRC-phone)

Punchlist Items

- #3 Provide comments regarding recent test results for monitoring wells WS-1, -2, -3. Results distributed at 8/22 meeting. Ben Gregson requested comments. No comments from attendants at 8/29 meeting. Item to be removed from the punchlist.
- #4 Provide update access Clark's Property at Snake Pond. The Guard/Corps to coordinate with the Guard CI staff as to when the well drilling on the Clark's property will occur, any activity to be preceded by the distribution of notices to the neighborhood. Heather Sullivan reported that plans are on the way for after Labor Day.
- #5 Discuss reporting of Perchlorate <1ppb with Dan Mahoney (Sandwich) (EPA). Tina Dolen reported Dan Mahoney would allow sampling for explosives but does not want "J" values for perchlorate results. AMEC will schedule sampling of wells for explosives and wait to hear from Dan Mahoney regarding perchlorate sampling. Corps to stay in touch with Dan Mahoney with regard to the schedule.
- #6 Provide Update on SERDP UXO Technology Demonstration Site (IAGWSPO). Larry Hudgins (Tetra Tech) explained that Tetra Tech was told this project was cancelled. LTC Will Tyminski provided historical background for one of the areas (used as a stable from the 70's until 1994). Documentation of materials (horseshoes and other related metal fragments) found during the site reconnaissance to be provided to the agencies by Mr. Hudgins.
- #10 Provide schedule future SOW for Former A Range (IAGWSPO). Gina Tyo looking to EPA to evaluate priorities. Mr. Borci indicated that this subject will be discussed over the next several weeks.
- #11 Provide map of recon. findings to EPA for area south of Range Control (Corps/IAGWSPO). Ellen Iorio sent an email describing findings to EPA. Mr. Borci confirmed he had received the email and did not make additional requests related to this item.
- #12 Provide update/action on BIP soil results CIA, Eastern Test and SCAR sites (Corps/IAGWSPO). Ellen Iorio addressed this subject in an email to EPA sent earlier in the week. Mr. Borci asked what the follow-up would be for the BIP sites with elevated detections of explosives/perchlorate in soil. Ellen Iorio reported that soil from the BIP sites would be excavated next week. Mr. Borci asked if the new sampling procedures would be followed (e.g. sampling for perchlorate) and specifically for post-detonation samples of the 155mm LITR round. Larry Hudgins confirmed that Tetra Tech has the latest BIP sampling protocol and they are sampling for perchlorate on rounds that are known to contain perchlorate. Heather Sullivan confirmed that AMEC is also utilizing the draft protocol on BIPs. Ms. Sullivan also stated that the MOR for the Revised BIP Field Sampling Plan will be provided early next week.

MSP3 Update

Rob Foti (ACE) provided an update on the MSP3 tasks.

Southeast Ranges. Two teams currently working on the 15 remaining anomalies.

Bunker to the north of CS-19. Mr. Foti provided a map of AirMag results in vicinity of site. The closest anomaly is located 80 meters from the bunker. AMEC is checking to see if sampling results for the area are available.

J Range Polygon. Planning to start Polygon 2 on September 9

SCAR Site. Vegetation & grubbing is completed. BIPs of the following three items are scheduled for today:

- 1 x 155mm Projectile LITR with partially sheared fuze
- 1 x 105mm HE Projectile, M1 with M51 series PD fuze (damaged)
- 1 x 105mm HE Projectile, M1 with unknown fuze

N Range. Excavation of Anomalies 1, 2, 4, 5, 6, 7, 8, 9 and 10 has been completed. A summary list of items discovered per anomaly was distributed at the meeting and will be sent electronically. Currently working on Anomaly 3, which does not appear to extend into the trees. Materials recovered at Anomaly 3 include:

- 4 x JATO rockets, expended
- 2 x 81mm mortars, illumination, expended
- 4 x 3.5" rocket warheads, practice
- 1 x 90mm projectile, expended
- 250 lbs. Non-OE scrap

Drilling in SE Ranges

- Well LP-9 (MW-236) to be installed next week.
- Drilling to start at locations LP-8 and J3P-21 next week.

Demo 1 Area Groundwater

Heather Sullivan (ACE) led a discussion on the proposed well locations to determine the toe of the plume. A figure was distributed showing preliminary proposed monitoring well locations for D1P-16 and D1P-17 along the power line road.

- The proposed well locations may be modified later based on the groundwater results from MW-231 (expected Friday afternoon) and the profile results from D1P-15 (drilling scheduled to start Wed Sept. 4, profile results in approximately 2-3 weeks from now). The Air National Guard owns the power lines, therefore no coordination with NStar is required. AMEC will prepare a letter to the ANG requesting access that includes a summary of the proposed road use and a map showing the proposed locations.
- Karen Wilson (IAGWSPO) indicated that it would be possible to proceed with the ROA for D1P-16 if the position didn't shift too much.

Central Impact Area Update

Heather Sullivan (ACE) led the discussion regarding Central Impact Area issues. A revised map showing the three proposed well locations was distributed on Aug 27.

- The locations of CIAP-27, CIAP-14 and CIAP-28 were approved by the EPA via email on Aug 28 and verbally at the meeting by the DEP. The following is a summary of the proposed locations:
 - CIAP-14 location has not changed from that shown at last week's Tech Meeting (the proposed name was switched with CIAP-27).
 - CIAP-27 location slightly changed from that shown at last weeks Tech Meeting. The reconnaissance confirmed that the original location (on the particle track) and this proposed location are 73.4' apart..

- CIAP-28 the location shown on this map is the original location. There is no better spot to put a drill pad between this location and MW-205.
- Drilling at CIAP-24 may reach total depth today and the wells will be installed next week.

Bourne Update

Bill Gallagher (IAGWSPO) led the discussion regarding the Bourne area investigations.

- Wells are being set at WS4-P2 this week.
- The Guard currently has scoped four wells, one of which is currently funded. AMEC will provide a particle track map early next week to help decide which well should be installed first. Mr. Gallagher will provide a schedule of activities to EPA prior to the Thursday 9/5 conference call to facilitate the discussion.
- Ben Gregson (IAGWSPO) reported that the Bourne Water Commission is asking for additional monitoring wells in the vicinity of WS-4. Specifically, they requested a well between WS4-P2 and WS-4 and another between WS4-P1 and WS-4. Mr. Gregson indicated that his preference would be to first install the well between WS4-P2 and WS-4.
- Mr. Gallagher stated that the impacts to the schedule needed to be discussed internally tomorrow. Mr. Borci requested a discussion at next week's meeting on how long until the three remaining scoped wells are funded/installed.
- Tina Dolen (IAGWSPO) reported that Leo Yuskus (Haley and Ward) has asked to be included in the Tech Meeting discussions; she will further discuss with him what time is convenient for him.

Scrap Update

John MacPherson (ACE) provided an update of the scrap operations at MMR. A memo dated 8/28/02 summarizing the scrap operations at MMR was distributed at the meeting. The three discussion points in the memo were:

- A July meeting of the DEP, EPA and Corps resulted in the DEP approving the use of GAC to treat water impacted by explosives that has collected in the sumps in the scrap yard. The EPA decided in August to consider this water a waste, therefore it cannot be treated and discharged to the ground without a permit.
- The EPA asked about the Guard's plan of action for disposing of the wastewater. Mr. MacPherson explained that water in the existing drums will be characterized and disposed of accordingly. The sump water will either be drummed or disposed of via a vacuum truck.
- Collection of non-OE material from the field is being managed at the former RRA Containment Pad. Changes are required to the current workplan to more thoroughly address how to manage soil and water with possible residual contamination. The Corps and Guard are considering the use of an alternate contractor once work plan changes are made.
- Mr. MacPherson contends that the water currently in the sumps is isolated, and will not mix with precipitation. However, the EPA is not convinced that this is the case. Currently the volume of water in the sumps would fill approximately 50 drums. Mr. MacPherson will also check to see if the lab can do selective ion monitoring on the samples with detections of 2,6-DNT and 1,3,5-TNB, to confirm the detections. Since the pad will be used in the future, the goal is to revise the Workplan to account for the possibility that residual soil may be transported to the pad.
- EPA requested a date for submission of the Scrap Yard Workplan be provided by Thursday 9/5.

Documents/Schedule

Heather Sullivan (ACE) distributed a summary of IAGWSP scheduling issues and provided detail on the status of various reports.

- Still waiting for Agency comments on the Small Arms Ranges Report and the Training Areas FSP.
- MOR approval is still needed on the TM 01-7 UXO Interim Screening Report. DEP to resend MOR approval for TM 01-7.
- Guard/Corps are expecting to send out the Demo 1 Field Biota Sampling Plan on 8/30 and receive regulator comments by 9/10.
- Ellen Iorio (ACE) stated that the Guard/Corps are still waiting for comments on the HUTA 2 Transect 4 Report (provided by EPA after the meeting). Ms. Iorio requested permission to wait and collectively address comments for all the HUTA 2 reports, and requested Agency review of a table of contents. EPA agreed to these requests.
- Desiree Moyer (EPA) stated that EPA has provided comments on all HUTA 2 Transect reports.
- Bill Gallagher asked the EPA their opinion regarding the inclusion of MSP work into the various Phase IIB reports. The EPA responded by saying they are open to suggestions. Bill Gallagher to develop approaches for the various sites (U Range, N range, Succonsette Pond, etc.). Guard proposed to discuss internally and add to Sept. 12 Tech Meeting Agenda.

2. SUMMARY OF DATA RECEIVED

Rush data are summarized in Table 3. These data are for analyses that are performed on a fast turnaround time, typically 1-5 days. Explosive analyses for monitoring wells, and explosive and volatile organic compound (VOC) analyses for groundwater profile samples, are conducted in this timeframe, as well as any analyses pursuant to a special request. The rush data are not validated, but are provided as an indication of the most recent preliminary results. Table 3 summarizes only detects, and does not show samples with non-detects.

The status of the explosive detections with respect to confirmation using Photo Diode Array (PDA) spectra is indicated in Table 3. PDA is a procedure that has been implemented for the explosive analysis, to reduce the likelihood of false positive identifications. Where the PDA status is "YES" in Table 3, the detected compound is verified as properly identified. Where the status is "NO", the identification of an explosive has been determined to be a false positive. Where the status is blank, PDA has not yet been used to evaluate the detection, or PDA is not applicable because the analyte is a VOC or perchlorate. Most explosive detections verified by PDA are confirmed to be present upon completion of validation. Table 3 includes the following detections:

- Groundwater samples from 02-03M1; 02-05M1, M2; and 02-13M3 (Bourne wellfield) had detections of perchlorate. The results were similar to previous sampling rounds.
- Groundwater samples from MW-231M1 and M2 (Demo Area 1) had detections of perchlorate. This is the first sampling event for these wells and the results were consistent with profile results.
- Groundwater samples from MW-80S (Bourne Far Field) had a detection of chloroform. The results were similar to previous sampling rounds.
- Groundwater profile samples from MW-235 (CIAP-24) had detections of 1,3,5-trinitrobenzene (10 intervals), 1,3-dinitrobenzene (5 intervals), TNT (3 intervals), 2,4-DANT

(4 intervals), 2,6-DNT (13 intervals), 2A-DNT (1 interval), 2-nitrotoluene (5 intervals), 3-nitrotoluene (3 intervals), 4A-DNT (5 intervals), 4-nitrotoluene (11 intervals), RDX (5 intervals), nitroglycerin (15 intervals), HMX (2 intervals), and picric acid (9 intervals). One interval of 2,4-DANT, seven intervals of 2,6-DNT, two intervals of 3-nitrotoluene, one interval of RDX and one interval of HMX were confirmed by PDA spectra. The majority of these detections were with interference.

- Groundwater profile samples from MW-236 (LP-9) had detections of 1,3-dinitrobenzene (1 interval), TNT (3 intervals), 2,4-DNT (2 intervals), 2,6-DNT (7 intervals), 2A-DNT (4 intervals), 2-nitrotoluene (3 intervals), 3-nitrotoluene (3 intervals), 4A-DNT (4 intervals), 4-nitrotoluene (7 intervals), RDX (10 intervals), nitrobenzene (5 intervals), nitroglycerin (11 intervals), picric acid (10 intervals), 2-hexanone (11 intervals), acetone (14 intervals), benzene (1 interval), carbon disulfide (1 interval), chloroethane (7 intervals), chloroform (5 intervals), chloromethane (11 intervals), 2-butanone (14 intervals), methyl isobutyl ketone (5 intervals), and toluene (1 interval). The detections of 2,6-DNT were confirmed by PDA spectra, all except one with interference.

3. DELIVERABLES SUBMITTED

Weekly Progress Update August 12 – August 16, 2002	08/26/2002
Draft Demo Area 2 Additional Delineation Workplan	08/28/2002
Final Supplemental Post-Screening Investigation Work Plan Demo 1 Soil Operable Unit	08/29/2002
Draft Biota Field Sampling Work Plan Demo 1 Soil Operable Unit	08/29/2002

4. SCHEDULED ACTIONS

Scheduled actions for the week of September 2 include complete well installation of MW-233 (WS4P-2), MW-235 (CIAP-24) and MW-236 (LP-9), and commence drilling of LP-8, J3P-21 and D1P-15.

5. SUMMARY OF ACTIVITIES FOR DEMO 1

Additional delineation of the downgradient portion of the groundwater plume is being conducted prior to finalizing the Feasibility Study for the Groundwater Operable Unit and as the Interim Action for groundwater remediation is being designed. Pumping and treating groundwater at the toe of the Demo 1 plume and at Frank Perkins Road has been selected as an Interim Action to address the Demo 1 Area Groundwater Operable Unit. A Rapid Response Action/Release Abatement Measure (RRA/RAM) is also being planned to address soil contamination at Demo 1.

TABLE 2
SAMPLING PROGRESS
08/24/2002 - 08/30/2002

Page 1

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
SR.A.C4.006.1.0	SR.C4.006.R	08/28/2002	CRATER GRID	0.00	0.17		
SR.A.C4.006.2.0	SR.C4.006.R	08/29/2002	CRATER GRID	1.00	1.17		
SR.A.C4.006.3.0	SR.C4.006.R	08/29/2002	CRATER GRID	1.00	1.17		
SR.A.G7.001.1.0	SR.G7.001.R	08/28/2002	CRATER GRID	0.00	0.17		
SR.A.G7.001.2.0	SR.G7.001.R	08/29/2002	CRATER GRID	1.50	1.67		
SR.A.G7.001.3.0	SR.G7.001.R	08/29/2002	CRATER GRID	1.50	1.67		
SR.A.H7.006.1.0	SR.H7.006.R	08/28/2002	CRATER GRID	0.00	0.17		
SR.A.H7.006.2.0	SR.H7.006.R	08/29/2002	CRATER GRID	1.75	1.92		
SR.A.H7.006.3.0	SR.H7.006.R	08/29/2002	CRATER GRID	1.75	1.92		
58MW0001-E	FIELDQC	08/26/2002	FIELDQC	0.00	0.00		
58MW0015B-E	FIELDQC	08/27/2002	FIELDQC	0.00	0.00		
58MW0020B-E	FIELDQC	08/30/2002	FIELDQC	0.00	0.00		
G236DBE	FIELDQC	08/26/2002	FIELDQC	0.00	0.00		
G236DBT	FIELDQC	08/26/2002	FIELDQC	0.00	0.00		
G236DIE	FIELDQC	08/27/2002	FIELDQC	0.00	0.00		
G236DIT	FIELDQC	08/27/2002	FIELDQC	0.00	0.00		
G236DNE	FIELDQC	08/28/2002	FIELDQC	0.00	0.00		
G236DNT	FIELDQC	08/28/2002	FIELDQC	0.00	0.00		
TW1-88AE	FIELDQC	08/28/2002	FIELDQC	0.00	0.00		
W02-09M1E	FIELDQC	08/29/2002	FIELDQC	0.00	0.00		
W02-09M1T	FIELDQC	08/29/2002	FIELDQC	0.00	0.00		
W228M1T	FIELDQC	08/30/2002	FIELDQC	0.00	0.00		
4036000-01G	4036000-01G	08/28/2002	GROUNDWATER				
4036000-01GD	4036000-01G	08/28/2002	GROUNDWATER				
4036000-03G	4036000-03G	08/28/2002	GROUNDWATER				
4036000-04G	4036000-04G	08/28/2002	GROUNDWATER				
4036000-06G	4036000-06G	08/28/2002	GROUNDWATER				
58MW0007B-A	58MW0007B	08/26/2002	GROUNDWATER	187.00	193.00	45.73	51.73
58MW0007B-D	58MW0007B	08/26/2002	GROUNDWATER	187.00	193.00	45.73	51.73
58MW0007C-A	58MW0007C	08/26/2002	GROUNDWATER	153.00	158.00	11.68	16.68
58MW0009C-A	58MW0009C	08/26/2002	GROUNDWATER	168.00	173.00	38.06	43.06
58MW0009E-A	58MW0009E	08/26/2002	GROUNDWATER	133.00	138.00	3.01	8.01
58MW0010B-A	58MW0010B	08/26/2002	GROUNDWATER	220.00	225.00	90.15	95.15
58MW0011D-A	58MW0011D	08/27/2002	GROUNDWATER	175.40	180.40	78.18	83.18
58MW0011E-A	58MW0011E	08/27/2002	GROUNDWATER	145.00	150.00	12.18	17.18
58MW0015A-A	58MW0015A	08/27/2002	GROUNDWATER	160.68	169.94	36.13	45.39
58MW0015A-D	58MW0015A	08/27/2002	GROUNDWATER	160.68	169.94	36.13	45.39
58MW0015B-A	58MW0015B	08/27/2002	GROUNDWATER	130.96	140.22	6.26	15.52
58MW0016A-A	58MW0016A	08/27/2002	GROUNDWATER	175.90	185.05	50.51	59.66
58MW0016B-A	58MW0016B	08/27/2002	GROUNDWATER	151.09	160.74	25.97	35.62
90MW0022-A	90MW0022	08/30/2002	GROUNDWATER	112.00	117.00	69.17	74.17
90SNP0001	90SNP001	08/29/2002	GROUNDWATER				
90SNP0002	90SNP002	08/29/2002	GROUNDWATER				
MW00-4-A	00-4	08/28/2002	GROUNDWATER				

Profiling methods include: Volatiles, Explosives and Perchlorate

Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry

Other Sample Types methods are variable

SBD = Sample Begin Depth, measured in feet bgs

SED = Sample End Depth, measured in feet bgs

BWTS = Depth below water table, start depth, measured in feet

BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
08/24/2002 - 08/30/2002

Page 2

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
OW-2-A	OW-2	08/30/2002	GROUNDWATER	175.00	185.00	46.60	56.60
OW-6-A	OW-6	08/30/2002	GROUNDWATER	175.00	185.00	43.76	53.76
OW-6-D	OW-6	08/30/2002	GROUNDWATER	175.00	185.00	43.76	53.76
OW00-1D-A	00-1D	08/30/2002	GROUNDWATER	91.00	97.00	45.42	51.42
OW00-1D-D	00-1D	08/30/2002	GROUNDWATER	91.00	97.00	45.42	51.42
TW00-4BA-A	00-4	08/29/2002	GROUNDWATER		85.00		55.60
TW00-4DA-A	00-4D	08/29/2002	GROUNDWATER		75.00		45.60
TW00-5-A	00-5	08/29/2002	GROUNDWATER	50.00	56.00	16.19	22.19
TW00-5-D	00-5	08/29/2002	GROUNDWATER	50.00	56.00	16.19	22.19
TW1-88AA	1-88	08/28/2002	GROUNDWATER				
W02-04M1A	02-04	08/27/2002	GROUNDWATER	123.00	133.00	73.97	83.97
W02-04M1D	02-04	08/27/2002	GROUNDWATER	123.00	133.00	73.97	83.97
W02-04M2A	02-04	08/27/2002	GROUNDWATER	98.00	108.00	48.93	58.93
W02-04M3A	02-04	08/27/2002	GROUNDWATER	83.00	93.00	34.01	44.01
W02-07M1A	02-07	08/29/2002	GROUNDWATER	135.00	145.00	101.14	111.14
W02-07M2A	02-07	08/29/2002	GROUNDWATER	107.00	117.00	72.86	82.86
W02-07M3A	02-07	08/29/2002	GROUNDWATER	47.00	57.00	13.00	23.00
W02-07M3D	02-07	08/29/2002	GROUNDWATER	47.00	57.00	13.00	23.00
W02-08M1A	02-08	08/28/2002	GROUNDWATER	108.00	113.00		
W02-08M2A	02-08	08/28/2002	GROUNDWATER	82.00	87.00		
W02-08M3A	02-08	08/27/2002	GROUNDWATER	62.00	67.00	40.58	45.58
W02-09M1A	02-09	08/29/2002	GROUNDWATER	74.00	84.00	65.26	75.26
W02-09M2A	02-09	08/29/2002	GROUNDWATER	59.00	69.00	50.30	60.30
W02-09SSA	02-09	08/29/2002	GROUNDWATER	7.00	17.00	0.00	10.00
W02-10M1A	02-10	08/29/2002	GROUNDWATER	135.00	145.00	94.00	104.00
W02-10M2A	02-10	08/29/2002	GROUNDWATER	110.00	120.00	68.61	78.61
W02-10M3A	02-10	08/30/2002	GROUNDWATER	85.00	95.00	43.65	53.65
W02-12M1A	02-12	08/28/2002	GROUNDWATER	109.00	119.00		
W02-12M2A	02-12	08/29/2002	GROUNDWATER	94.00	104.00	43.21	53.21
W02-12M3A	02-12	08/29/2002	GROUNDWATER	79.00	89.00	28.22	38.22
W02-13M1A	02-13	08/28/2002	GROUNDWATER	98.00	108.00	58.33	68.33
W02-13M2A	02-13	08/28/2002	GROUNDWATER	83.00	93.00	44.20	54.20
W02-13M3A	02-13	08/28/2002	GROUNDWATER	68.00	78.00	28.30	38.30
W118M1A	MW-118	08/30/2002	GROUNDWATER	146.00	156.00	38.00	48.00
W118M2A	MW-118	08/30/2002	GROUNDWATER	116.00	126.00	8.00	18.00
W126M1A	MW-126	08/30/2002	GROUNDWATER	118.00	128.00	19.00	29.00
W126M1D	MW-126	08/30/2002	GROUNDWATER	118.00	128.00	19.00	29.00
W126SSA	MW-126	08/30/2002	GROUNDWATER	99.00	109.00	0.00	10.00
W130DDA	MW-130	08/27/2002	GROUNDWATER	320.00	330.00	217.00	227.00
W130DDD	MW-130	08/27/2002	GROUNDWATER	320.00	330.00	217.00	227.00
W130M1A	MW-130	08/26/2002	GROUNDWATER	160.00	170.00	57.00	67.00
W130SSA	MW-130	08/27/2002	GROUNDWATER	103.00	113.00	0.00	10.00
W131SSA	MW-131	08/26/2002	GROUNDWATER	103.00	113.00	0.00	10.00
W156SSA	MW-156	08/30/2002	GROUNDWATER	77.00	87.00	7.00	17.00

Profiling methods include: Volatiles, Explosives and Perchlorate

Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry

Other Sample Types methods are variable

SBD = Sample Begin Depth, measured in feet bgs

SED = Sample End Depth, measured in feet bgs

BWTS = Depth below water table, start depth, measured in feet

BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
08/24/2002 - 08/30/2002

Page 3

OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
W220DDA	MW-220	08/29/2002	GROUNDWATER	299.00	309.00	171.83	181.83
W220M1A	MW-220	08/29/2002	GROUNDWATER	248.00	258.00	120.85	130.85
W220M1D	MW-220	08/29/2002	GROUNDWATER	248.00	258.00	120.85	130.85
W220SSA	MW-220	08/28/2002	GROUNDWATER	126.00	136.00	0.00	10.00
W224M1A	MW-224	08/29/2002	GROUNDWATER	142.00	152.00	24.71	34.71
W224SSA	MW-224	08/29/2002	GROUNDWATER	115.00	125.00	0.00	10.00
W228M1A	MW-228	08/30/2002	GROUNDWATER	241.00	251.00	134.60	144.60
W228M2A	MW-228	08/29/2002	GROUNDWATER	126.00	136.00	20.00	30.00
W230M1A	MW-230	08/28/2002	GROUNDWATER	130.00	140.00	23.82	33.82
W230M2A	MW-230	08/28/2002	GROUNDWATER	110.00	120.00	3.76	13.76
W231M1A	MW-231	08/26/2002	GROUNDWATER	210.00	220.00	104.15	114.15
W231M2A	MW-231	08/26/2002	GROUNDWATER	165.00	175.00	58.33	68.33
W231M3A	MW-231	08/26/2002	GROUNDWATER	115.00	125.00	8.27	18.27
W232M1A	MW-232	08/30/2002	GROUNDWATER	77.50	82.50	34.94	39.94
W232M2A	MW-232	08/30/2002	GROUNDWATER	61.00	66.00	18.41	23.41
W49M1A	MW-49	08/26/2002	GROUNDWATER	160.00	170.00	90.00	100.00
W49M2A	MW-49	08/27/2002	GROUNDWATER	130.00	140.00	60.00	70.00
W49M3A	MW-49	08/27/2002	GROUNDWATER	100.50	110.50	31.00	41.00
W80SSA	MW-80	08/27/2002	GROUNDWATER	43.00	53.00	0.00	10.00
WS-4AD-A	WS-4A	08/28/2002	GROUNDWATER	218.00	228.00	147.85	157.85
WS-4AS-A	WS-4A	08/27/2002	GROUNDWATER	155.00	165.00	84.89	94.89
DW082602-NV	GAC WATER	08/29/2002	IDW				
DW082902-NV	GAC WATER	08/29/2002	IDW				
G235DBA	MW-235	08/26/2002	PROFILE	140.00	140.00	11.50	11.50
G235DCA	MW-235	08/26/2002	PROFILE	150.00	150.00	21.50	21.50
G235DDA	MW-235	08/26/2002	PROFILE	160.00	160.00	31.50	31.50
G235DDD	MW-235	08/26/2002	PROFILE	160.00	160.00	31.50	31.50
G235DEA	MW-235	08/26/2002	PROFILE	170.00	170.00	41.50	41.50
G235DFA	MW-235	08/26/2002	PROFILE	180.00	180.00	51.50	51.50
G235DGA	MW-235	08/26/2002	PROFILE	190.00	190.00	61.50	61.50
G235DHA	MW-235	08/26/2002	PROFILE	200.00	200.00	71.50	71.50
G235DIA	MW-235	08/26/2002	PROFILE	210.00	210.00	81.50	81.50
G235DJA	MW-235	08/27/2002	PROFILE	220.00	220.00	91.50	91.50
G235DKA	MW-235	08/27/2002	PROFILE	230.00	230.00	101.50	101.50
G235DLA	MW-235	08/27/2002	PROFILE	240.00	240.00	111.50	111.50
G235DMA	MW-235	08/27/2002	PROFILE	250.00	250.00	121.50	121.50
G235DNA	MW-235	08/27/2002	PROFILE	260.00	260.00	131.50	131.50
G235DOA	MW-235	08/27/2002	PROFILE	270.00	270.00	141.50	141.50
G235DPA	MW-235	08/28/2002	PROFILE	280.00	280.00	151.50	151.50
G235DQA	MW-235	08/28/2002	PROFILE	290.00	290.00	161.50	161.50
G235DRA	MW-235	08/29/2002	PROFILE	300.00	300.00	171.50	171.50
G235DSA	MW-235	08/29/2002	PROFILE	310.00	310.00	181.50	181.50
G235DTA	MW-235	08/29/2002	PROFILE	320.00	320.00	191.50	191.50
G235DTD	MW-235	08/29/2002	PROFILE	320.00	320.00	191.50	191.50

Profiling methods include: Volatiles, Explosives and Perchlorate

Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry

Other Sample Types methods are variable

SBD = Sample Begin Depth, measured in feet bgs

SED = Sample End Depth, measured in feet bgs

BWTS = Depth below water table, start depth, measured in feet

BWTE = Depth below water table, end depth, measured in feet

TABLE 2
SAMPLING PROGRESS
08/24/2002 - 08/30/2002

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OGDEN_ID	LOCID OR WELL ID	DATE SAMPLED	SAMPLE TYPE	SBD	SED	BWTS	BWTE
G235DUA	MW-235	08/29/2002	PROFILE	330.00	330.00	201.50	201.50
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50
G236DCA	MW-236	08/26/2002	PROFILE	130.00	130.00	32.50	32.50
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50
G236DDD	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50
G236DGA	MW-236	08/26/2002	PROFILE	170.00	170.00	62.50	62.50
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50
G236DJA	MW-236	08/27/2002	PROFILE	200.00	200.00	92.50	92.50
G236DKA	MW-236	08/27/2002	PROFILE	210.00	210.00	102.50	102.50
G236DLA	MW-236	08/27/2002	PROFILE	220.00	220.00	112.50	112.50
G236DMA	MW-236	08/27/2002	PROFILE	230.00	230.00	122.50	122.50
G236DNA	MW-236	08/27/2002	PROFILE	240.00	240.00	132.50	132.50
G236DOA	MW-236	08/28/2002	PROFILE	250.00	250.00	142.50	142.50
LKSNK0005AAA	LKSNK0005	08/28/2002	SURFACE WATER				
LKSNK0006AAA	LKSNK0006	08/28/2002	SURFACE WATER				
LKSNK0007AAA	LKSNK0007	08/28/2002	SURFACE WATER				

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Groundwater methods include: Volatiles, Semivolatiles, Explosives, Pesticides, Herbicides, Metals, and Wet Chemistry

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 08/09/02 - 08/30/02

Page 1

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
W02-03M1D	02-03	08/24/2002	GROUNDWATERF	130.00	140.00	86.10	96.10	E314.0	PERCHLORATE	
W02-05M1A	02-05	08/24/2002	GROUNDWATERF	110.00	120.00	81.44	91.44	E314.0	PERCHLORATE	
W02-05M2D	02-05	08/24/2002	GROUNDWATERF	92.00	102.00	63.41	73.41	E314.0	PERCHLORATE	
W02-13M3D	02-13	08/21/2002	GROUNDWATERF	68.00	78.00	26.90	36.90	E314.0	PERCHLORATE	
W231M1A	MW-231	08/26/2002	GROUNDWATERF	210.00	220.00	104.15	114.15	E314.0	PERCHLORATE	
W231M2A	MW-231	08/26/2002	GROUNDWATERF	165.00	175.00	58.33	68.33	E314.0	PERCHLORATE	
W80SSA	MW-80	08/27/2002	GROUNDWATERF	43.00	53.00	0.00	10.00	OC21V	CHLOROFORM	
G235DAA	MW-235	08/23/2002	PROFILE	130.00	130.00	1.50	1.50	8330N	1,3,5-TRINITROBENZENE	NO
G235DAA	MW-235	08/23/2002	PROFILE	130.00	130.00	1.50	1.50	8330N	2,6-DINITROTOLUENE	YES*
G235DAA	MW-235	08/23/2002	PROFILE	130.00	130.00	1.50	1.50	8330N	4-NITROTOLUENE	NO
G235DAA	MW-235	08/23/2002	PROFILE	130.00	130.00	1.50	1.50	8330N	NITROGLYCERIN	NO
G235DBA	MW-235	08/26/2002	PROFILE	140.00	140.00	11.50	11.50	8330N	1,3,5-TRINITROBENZENE	NO
G235DBA	MW-235	08/26/2002	PROFILE	140.00	140.00	11.50	11.50	8330N	1,3-DINITROBENZENE	NO
G235DBA	MW-235	08/26/2002	PROFILE	140.00	140.00	11.50	11.50	8330N	2,4,6-TRINITROTOLUENE	NO
G235DBA	MW-235	08/26/2002	PROFILE	140.00	140.00	11.50	11.50	8330N	2,6-DINITROTOLUENE	YES*
G235DBA	MW-235	08/26/2002	PROFILE	140.00	140.00	11.50	11.50	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G235DBA	MW-235	08/26/2002	PROFILE	140.00	140.00	11.50	11.50	8330N	2-NITROTOLUENE	NO
G235DBA	MW-235	08/26/2002	PROFILE	140.00	140.00	11.50	11.50	8330N	3-NITROTOLUENE	YES*
G235DBA	MW-235	08/26/2002	PROFILE	140.00	140.00	11.50	11.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G235DBA	MW-235	08/26/2002	PROFILE	140.00	140.00	11.50	11.50	8330N	4-NITROTOLUENE	NO
G235DBA	MW-235	08/26/2002	PROFILE	140.00	140.00	11.50	11.50	8330N	NITROGLYCERIN	NO
G235DBA	MW-235	08/26/2002	PROFILE	140.00	140.00	11.50	11.50	8330N	PICRIC ACID	NO
G235DCA	MW-235	08/26/2002	PROFILE	150.00	150.00	21.50	21.50	8330N	1,3,5-TRINITROBENZENE	NO
G235DCA	MW-235	08/26/2002	PROFILE	150.00	150.00	21.50	21.50	8330N	1,3-DINITROBENZENE	NO
G235DCA	MW-235	08/26/2002	PROFILE	150.00	150.00	21.50	21.50	8330N	2,4,6-TRINITROTOLUENE	NO
G235DCA	MW-235	08/26/2002	PROFILE	150.00	150.00	21.50	21.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G235DCA	MW-235	08/26/2002	PROFILE	150.00	150.00	21.50	21.50	8330N	2,6-DINITROTOLUENE	YES*
G235DCA	MW-235	08/26/2002	PROFILE	150.00	150.00	21.50	21.50	8330N	2-NITROTOLUENE	NO
G235DCA	MW-235	08/26/2002	PROFILE	150.00	150.00	21.50	21.50	8330N	3-NITROTOLUENE	NO
G235DCA	MW-235	08/26/2002	PROFILE	150.00	150.00	21.50	21.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G235DCA	MW-235	08/26/2002	PROFILE	150.00	150.00	21.50	21.50	8330N	4-NITROTOLUENE	NO
G235DCA	MW-235	08/26/2002	PROFILE	150.00	150.00	21.50	21.50	8330N	NITROGLYCERIN	NO

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 08/09/02 - 08/30/02

Page 2

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G235DCA	MW-235	08/26/2002	PROFILE	150.00	150.00	21.50	21.50	8330N	PICRIC ACID	NO
G235DDA	MW-235	08/26/2002	PROFILE	160.00	160.00	31.50	31.50	8330N	1,3,5-TRINITROBENZENE	NO
G235DDA	MW-235	08/26/2002	PROFILE	160.00	160.00	31.50	31.50	8330N	2,6-DINITROTOLUENE	YES*
G235DDA	MW-235	08/26/2002	PROFILE	160.00	160.00	31.50	31.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G235DDA	MW-235	08/26/2002	PROFILE	160.00	160.00	31.50	31.50	8330N	4-NITROTOLUENE	NO
G235DDA	MW-235	08/26/2002	PROFILE	160.00	160.00	31.50	31.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
G235DDA	MW-235	08/26/2002	PROFILE	160.00	160.00	31.50	31.50	8330N	NITROGLYCERIN	NO
G235DDA	MW-235	08/26/2002	PROFILE	160.00	160.00	31.50	31.50	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	YES
G235DDA	MW-235	08/26/2002	PROFILE	160.00	160.00	31.50	31.50	8330N	PICRIC ACID	NO
G235DDD	MW-235	08/26/2002	PROFILE	160.00	160.00	31.50	31.50	8330N	2,6-DINITROTOLUENE	YES
G235DDD	MW-235	08/26/2002	PROFILE	160.00	160.00	31.50	31.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	YES
G235DDD	MW-235	08/26/2002	PROFILE	160.00	160.00	31.50	31.50	8330N	NITROGLYCERIN	NO
G235DEA	MW-235	08/26/2002	PROFILE	170.00	170.00	41.50	41.50	8330N	1,3,5-TRINITROBENZENE	NO
G235DEA	MW-235	08/26/2002	PROFILE	170.00	170.00	41.50	41.50	8330N	2,4,6-TRINITROTOLUENE	NO*
G235DEA	MW-235	08/26/2002	PROFILE	170.00	170.00	41.50	41.50	8330N	2,6-DINITROTOLUENE	NO*
G235DEA	MW-235	08/26/2002	PROFILE	170.00	170.00	41.50	41.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G235DEA	MW-235	08/26/2002	PROFILE	170.00	170.00	41.50	41.50	8330N	4-NITROTOLUENE	NO
G235DEA	MW-235	08/26/2002	PROFILE	170.00	170.00	41.50	41.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G235DEA	MW-235	08/26/2002	PROFILE	170.00	170.00	41.50	41.50	8330N	NITROGLYCERIN	NO
G235DEA	MW-235	08/26/2002	PROFILE	170.00	170.00	41.50	41.50	8330N	PICRIC ACID	NO
G235DGA	MW-235	08/26/2002	PROFILE	190.00	190.00	61.50	61.50	8330N	1,3,5-TRINITROBENZENE	NO
G235DGA	MW-235	08/26/2002	PROFILE	190.00	190.00	61.50	61.50	8330N	2,6-DINITROTOLUENE	YES*
G235DGA	MW-235	08/26/2002	PROFILE	190.00	190.00	61.50	61.50	8330N	4-NITROTOLUENE	NO
G235DGA	MW-235	08/26/2002	PROFILE	190.00	190.00	61.50	61.50	8330N	NITROGLYCERIN	NO
G235DHA	MW-235	08/26/2002	PROFILE	200.00	200.00	71.50	71.50	8330N	1,3,5-TRINITROBENZENE	NO
G235DHA	MW-235	08/26/2002	PROFILE	200.00	200.00	71.50	71.50	8330N	1,3-DINITROBENZENE	NO
G235DHA	MW-235	08/26/2002	PROFILE	200.00	200.00	71.50	71.50	8330N	2,6-DINITROTOLUENE	YES*
G235DHA	MW-235	08/26/2002	PROFILE	200.00	200.00	71.50	71.50	8330N	2-NITROTOLUENE	NO
G235DHA	MW-235	08/26/2002	PROFILE	200.00	200.00	71.50	71.50	8330N	4-NITROTOLUENE	NO
G235DHA	MW-235	08/26/2002	PROFILE	200.00	200.00	71.50	71.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G235DHA	MW-235	08/26/2002	PROFILE	200.00	200.00	71.50	71.50	8330N	NITROGLYCERIN	NO
G235DHA	MW-235	08/26/2002	PROFILE	200.00	200.00	71.50	71.50	8330N	PICRIC ACID	NO

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DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 08/09/02 - 08/30/02

Page 3

OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G235DIA	MW-235	08/26/2002	PROFILE	210.00	210.00	81.50	81.50	8330N	1,3,5-TRINITROBENZENE	NO
G235DIA	MW-235	08/26/2002	PROFILE	210.00	210.00	81.50	81.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	YES*
G235DIA	MW-235	08/26/2002	PROFILE	210.00	210.00	81.50	81.50	8330N	2,6-DINITROTOLUENE	YES*
G235DIA	MW-235	08/26/2002	PROFILE	210.00	210.00	81.50	81.50	8330N	4-NITROTOLUENE	NO
G235DIA	MW-235	08/26/2002	PROFILE	210.00	210.00	81.50	81.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G235DIA	MW-235	08/26/2002	PROFILE	210.00	210.00	81.50	81.50	8330N	NITROGLYCERIN	NO
G235DKA	MW-235	08/27/2002	PROFILE	230.00	230.00	101.50	101.50	8330N	2,6-DINITROTOLUENE	NO
G235DKA	MW-235	08/27/2002	PROFILE	230.00	230.00	101.50	101.50	8330N	NITROGLYCERIN	NO
G235DKA	MW-235	08/27/2002	PROFILE	230.00	230.00	101.50	101.50	8330N	PICRIC ACID	NO
G235DLA	MW-235	08/27/2002	PROFILE	240.00	240.00	111.50	111.50	8330N	2,6-DINITROTOLUENE	NO
G235DLA	MW-235	08/27/2002	PROFILE	240.00	240.00	111.50	111.50	8330N	4-NITROTOLUENE	NO
G235DLA	MW-235	08/27/2002	PROFILE	240.00	240.00	111.50	111.50	8330N	NITROGLYCERIN	NO
G235DLA	MW-235	08/27/2002	PROFILE	240.00	240.00	111.50	111.50	8330N	PICRIC ACID	NO
G235DMA	MW-235	08/27/2002	PROFILE	250.00	250.00	121.50	121.50	8330N	NITROGLYCERIN	NO
G235DOA	MW-235	08/27/2002	PROFILE	270.00	270.00	141.50	141.50	8330N	1,3,5-TRINITROBENZENE	NO
G235DOA	MW-235	08/27/2002	PROFILE	270.00	270.00	141.50	141.50	8330N	1,3-DINITROBENZENE	NO
G235DOA	MW-235	08/27/2002	PROFILE	270.00	270.00	141.50	141.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	NO
G235DOA	MW-235	08/27/2002	PROFILE	270.00	270.00	141.50	141.50	8330N	2,6-DINITROTOLUENE	NO
G235DOA	MW-235	08/27/2002	PROFILE	270.00	270.00	141.50	141.50	8330N	2-NITROTOLUENE	NO
G235DOA	MW-235	08/27/2002	PROFILE	270.00	270.00	141.50	141.50	8330N	3-NITROTOLUENE	YES*
G235DOA	MW-235	08/27/2002	PROFILE	270.00	270.00	141.50	141.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G235DOA	MW-235	08/27/2002	PROFILE	270.00	270.00	141.50	141.50	8330N	4-NITROTOLUENE	NO
G235DOA	MW-235	08/27/2002	PROFILE	270.00	270.00	141.50	141.50	8330N	NITROGLYCERIN	NO
G235DOA	MW-235	08/27/2002	PROFILE	270.00	270.00	141.50	141.50	8330N	PICRIC ACID	NO
G235DPA	MW-235	08/28/2002	PROFILE	280.00	280.00	151.50	151.50	8330N	NITROGLYCERIN	
G235DQA	MW-235	08/28/2002	PROFILE	290.00	290.00	161.50	161.50	8330N	2,6-DINITROTOLUENE	
G235DQA	MW-235	08/28/2002	PROFILE	290.00	290.00	161.50	161.50	8330N	NITROGLYCERIN	
G235DUA	MW-235	08/29/2002	PROFILE	330.00	330.00	201.50	201.50	8330N	1,3,5-TRINITROBENZENE	
G235DUA	MW-235	08/29/2002	PROFILE	330.00	330.00	201.50	201.50	8330N	1,3-DINITROBENZENE	
G235DUA	MW-235	08/29/2002	PROFILE	330.00	330.00	201.50	201.50	8330N	2,4-DIAMINO-6-NITROTOLUENE	
G235DUA	MW-235	08/29/2002	PROFILE	330.00	330.00	201.50	201.50	8330N	2,6-DINITROTOLUENE	
G235DUA	MW-235	08/29/2002	PROFILE	330.00	330.00	201.50	201.50	8330N	2-NITROTOLUENE	

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 08/09/02 - 08/30/02

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G235DUA	MW-235	08/29/2002	PROFILE	330.00	330.00	201.50	201.50	8330N	4-NITROTOLUENE	
G235DUA	MW-235	08/29/2002	PROFILE	330.00	330.00	201.50	201.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	
G235DUA	MW-235	08/29/2002	PROFILE	330.00	330.00	201.50	201.50	8330N	NITROGLYCERIN	
G235DUA	MW-235	08/29/2002	PROFILE	330.00	330.00	201.50	201.50	8330N	OCTAHYDRO-1,3,5,7-TETRANIT	
G235DUA	MW-235	08/29/2002	PROFILE	330.00	330.00	201.50	201.50	8330N	PICRIC ACID	
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	8330N	2,4,6-TRINITROTOLUENE	NO
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	8330N	2,6-DINITROTOLUENE	YES*
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	8330N	2-NITROTOLUENE	NO
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	8330N	3-NITROTOLUENE	NO
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	8330N	NITROBENZENE	NO
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	8330N	NITROGLYCERIN	NO
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	8330N	PICRIC ACID	NO
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	OC21V	2-HEXANONE	
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	OC21V	ACETONE	
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	OC21V	BENZENE	
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	OC21V	CHLOROETHANE	
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	OC21V	CHLOROMETHANE	
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	OC21V	METHYL ETHYL KETONE (2-BU	
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	OC21V	METHYL ISOBUTYL KETONE (4-	
G236DAA	MW-236	08/23/2002	PROFILE	110.00	110.00	12.50	12.50	OC21V	TOLUENE	
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50	8330N	1,3-DINITROBENZENE	NO
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50	8330N	2,6-DINITROTOLUENE	YES*
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50	8330N	3-NITROTOLUENE	NO
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50	8330N	4-NITROTOLUENE	NO
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50	8330N	NITROGLYCERIN	NO
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50	8330N	PICRIC ACID	NO
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50	OC21V	ACETONE	

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 08/09/02 - 08/30/02

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50	OC21V	CHLOROETHANE	
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50	OC21V	CHLOROFORM	
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50	OC21V	CHLOROMETHANE	
G236DBA	MW-236	08/26/2002	PROFILE	120.00	120.00	22.50	22.50	OC21V	METHYL ETHYL KETONE (2-BU	
G236DCA	MW-236	08/26/2002	PROFILE	130.00	130.00	32.50	32.50	8330N	4-NITROTOLUENE	NO
G236DCA	MW-236	08/26/2002	PROFILE	130.00	130.00	32.50	32.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G236DCA	MW-236	08/26/2002	PROFILE	130.00	130.00	32.50	32.50	8330N	NITROGLYCERIN	NO
G236DCA	MW-236	08/26/2002	PROFILE	130.00	130.00	32.50	32.50	8330N	PICRIC ACID	NO
G236DCA	MW-236	08/26/2002	PROFILE	130.00	130.00	32.50	32.50	OC21V	2-HEXANONE	
G236DCA	MW-236	08/26/2002	PROFILE	130.00	130.00	32.50	32.50	OC21V	ACETONE	
G236DCA	MW-236	08/26/2002	PROFILE	130.00	130.00	32.50	32.50	OC21V	CHLOROETHANE	
G236DCA	MW-236	08/26/2002	PROFILE	130.00	130.00	32.50	32.50	OC21V	CHLOROMETHANE	
G236DCA	MW-236	08/26/2002	PROFILE	130.00	130.00	32.50	32.50	OC21V	METHYL ETHYL KETONE (2-BU	
G236DCA	MW-236	08/26/2002	PROFILE	130.00	130.00	32.50	32.50	OC21V	METHYL ISOBUTYL KETONE (4-	
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	8330N	2,4-DINITROTOLUENE	NO
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	8330N	2,6-DINITROTOLUENE	YES*
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	8330N	4-NITROTOLUENE	NO
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	8330N	NITROBENZENE	NO
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	8330N	NITROGLYCERIN	NO
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	8330N	PICRIC ACID	NO
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	OC21V	2-HEXANONE	
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	OC21V	ACETONE	
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	OC21V	CHLOROETHANE	
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	OC21V	CHLOROMETHANE	
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	OC21V	METHYL ETHYL KETONE (2-BU	
G236DDA	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	OC21V	METHYL ISOBUTYL KETONE (4-	
G236DDD	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	8330N	2,6-DINITROTOLUENE	YES*
G236DDD	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	8330N	4-NITROTOLUENE	NO
G236DDD	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G236DDD	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	8330N	NITROGLYCERIN	NO
G236DDD	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	8330N	PICRIC ACID	NO

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DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 08/09/02 - 08/30/02

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G236DDD	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	OC21V	2-HEXANONE	
G236DDD	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	OC21V	ACETONE	
G236DDD	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	OC21V	CHLOROETHANE	
G236DDD	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	OC21V	CHLOROMETHANE	
G236DDD	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	OC21V	METHYL ETHYL KETONE (2-BU)	
G236DDD	MW-236	08/26/2002	PROFILE	140.00	140.00	42.50	42.50	OC21V	METHYL ISOBUTYL KETONE (4-	
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	8330N	2,4,6-TRINITROTOLUENE	NO
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	8330N	2,4-DINITROTOLUENE	NO
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	8330N	2,6-DINITROTOLUENE	YES*
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	8330N	2-NITROTOLUENE	NO
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	8330N	4-NITROTOLUENE	NO
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	8330N	NITROBENZENE	NO
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	8330N	NITROGLYCERIN	NO
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	8330N	PICRIC ACID	NO
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	OC21V	2-HEXANONE	
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	OC21V	ACETONE	
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	OC21V	CHLOROETHANE	
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	OC21V	CHLOROMETHANE	
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	OC21V	METHYL ETHYL KETONE (2-BU)	
G236DEA	MW-236	08/26/2002	PROFILE	150.00	150.00	52.50	52.50	OC21V	METHYL ISOBUTYL KETONE (4-	
G236DGA	MW-236	08/26/2002	PROFILE	170.00	170.00	62.50	62.50	OC21V	ACETONE	
G236DGA	MW-236	08/26/2002	PROFILE	170.00	170.00	62.50	62.50	OC21V	CHLOROMETHANE	
G236DGA	MW-236	08/26/2002	PROFILE	170.00	170.00	62.50	62.50	OC21V	METHYL ETHYL KETONE (2-BU)	
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	8330N	2,4,6-TRINITROTOLUENE	NO
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	8330N	2,6-DINITROTOLUENE	YES*
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	8330N	2-AMINO-4,6-DINITROTOLUENE	NO
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	8330N	2-NITROTOLUENE	NO
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	8330N	3-NITROTOLUENE	NO*
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO

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TABLE 3
DETECTED COMPOUNDS-UNVALIDATED
SAMPLES COLLECTED 08/09/02 - 08/30/02

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	8330N	4-NITROTOLUENE	NO
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	8330N	NITROBENZENE	NO
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	8330N	NITROGLYCERIN	NO
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	8330N	PICRIC ACID	NO
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	OC21V	2-HEXANONE	
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	OC21V	ACETONE	
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	OC21V	CARBON DISULFIDE	
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	OC21V	CHLOROETHANE	
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	OC21V	CHLOROMETHANE	
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	OC21V	METHYL ETHYL KETONE (2-BU	
G236DHA	MW-236	08/26/2002	PROFILE	180.00	180.00	72.50	72.50	OC21V	METHYL ISOBUTYL KETONE (4-	
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50	8330N	2,6-DINITROTOLUENE	YES
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50	8330N	4-AMINO-2,6-DINITROTOLUENE	NO
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50	8330N	4-NITROTOLUENE	NO
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50	8330N	NITROBENZENE	NO
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50	8330N	NITROGLYCERIN	NO
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50	8330N	PICRIC ACID	NO
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50	OC21V	2-HEXANONE	
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50	OC21V	ACETONE	
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50	OC21V	CHLOROETHANE	
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50	OC21V	CHLOROFORM	
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50	OC21V	CHLOROMETHANE	
G236DIA	MW-236	08/26/2002	PROFILE	190.00	190.00	82.50	82.50	OC21V	METHYL ETHYL KETONE (2-BU	
G236DJA	MW-236	08/27/2002	PROFILE	200.00	200.00	92.50	92.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G236DJA	MW-236	08/27/2002	PROFILE	200.00	200.00	92.50	92.50	8330N	NITROGLYCERIN	NO
G236DJA	MW-236	08/27/2002	PROFILE	200.00	200.00	92.50	92.50	8330N	PICRIC ACID	NO
G236DJA	MW-236	08/27/2002	PROFILE	200.00	200.00	92.50	92.50	OC21V	ACETONE	
G236DJA	MW-236	08/27/2002	PROFILE	200.00	200.00	92.50	92.50	OC21V	CHLOROFORM	
G236DJA	MW-236	08/27/2002	PROFILE	200.00	200.00	92.50	92.50	OC21V	CHLOROMETHANE	
G236DJA	MW-236	08/27/2002	PROFILE	200.00	200.00	92.50	92.50	OC21V	METHYL ETHYL KETONE (2-BU	

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SAMPLES COLLECTED 08/09/02 - 08/30/02

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OGDEN_ID	LOCID OR WELL ID	SAMPLED	SAMP_TYPE	SBD	SED	BWTS	BWTE	METHOD	OGDEN_ANALYTE	PDA
G236DKA	MW-236	08/27/2002	PROFILE	210.00	210.00	102.50	102.50	OC21V	2-HEXANONE	
G236DKA	MW-236	08/27/2002	PROFILE	210.00	210.00	102.50	102.50	OC21V	ACETONE	
G236DKA	MW-236	08/27/2002	PROFILE	210.00	210.00	102.50	102.50	OC21V	CHLOROFORM	
G236DKA	MW-236	08/27/2002	PROFILE	210.00	210.00	102.50	102.50	OC21V	CHLOROMETHANE	
G236DKA	MW-236	08/27/2002	PROFILE	210.00	210.00	102.50	102.50	OC21V	METHYL ETHYL KETONE (2-BU	
G236DLA	MW-236	08/27/2002	PROFILE	220.00	220.00	112.50	112.50	8330N	NITROGLYCERIN	NO
G236DLA	MW-236	08/27/2002	PROFILE	220.00	220.00	112.50	112.50	OC21V	2-HEXANONE	
G236DLA	MW-236	08/27/2002	PROFILE	220.00	220.00	112.50	112.50	OC21V	ACETONE	
G236DLA	MW-236	08/27/2002	PROFILE	220.00	220.00	112.50	112.50	OC21V	CHLOROFORM	
G236DLA	MW-236	08/27/2002	PROFILE	220.00	220.00	112.50	112.50	OC21V	METHYL ETHYL KETONE (2-BU	
G236DMA	MW-236	08/27/2002	PROFILE	230.00	230.00	122.50	122.50	OC21V	2-HEXANONE	
G236DMA	MW-236	08/27/2002	PROFILE	230.00	230.00	122.50	122.50	OC21V	ACETONE	
G236DMA	MW-236	08/27/2002	PROFILE	230.00	230.00	122.50	122.50	OC21V	CHLOROMETHANE	
G236DMA	MW-236	08/27/2002	PROFILE	230.00	230.00	122.50	122.50	OC21V	METHYL ETHYL KETONE (2-BU	
G236DNA	MW-236	08/27/2002	PROFILE	240.00	240.00	132.50	132.50	8330N	2,6-DINITROTOLUENE	YES*
G236DNA	MW-236	08/27/2002	PROFILE	240.00	240.00	132.50	132.50	8330N	4-NITROTOLUENE	NO
G236DNA	MW-236	08/27/2002	PROFILE	240.00	240.00	132.50	132.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G236DNA	MW-236	08/27/2002	PROFILE	240.00	240.00	132.50	132.50	8330N	NITROGLYCERIN	NO
G236DNA	MW-236	08/27/2002	PROFILE	240.00	240.00	132.50	132.50	8330N	PICRIC ACID	NO
G236DNA	MW-236	08/27/2002	PROFILE	240.00	240.00	132.50	132.50	OC21V	2-HEXANONE	
G236DNA	MW-236	08/27/2002	PROFILE	240.00	240.00	132.50	132.50	OC21V	ACETONE	
G236DNA	MW-236	08/27/2002	PROFILE	240.00	240.00	132.50	132.50	OC21V	METHYL ETHYL KETONE (2-BU	
G236DOA	MW-236	08/28/2002	PROFILE	250.00	250.00	142.50	142.50	8330N	HEXAHYDRO-1,3,5-TRINITRO-1,	NO
G236DOA	MW-236	08/28/2002	PROFILE	250.00	250.00	142.50	142.50	8330N	NITROGLYCERIN	NO
G236DOA	MW-236	08/28/2002	PROFILE	250.00	250.00	142.50	142.50	8330N	PICRIC ACID	NO
G236DOA	MW-236	08/28/2002	PROFILE	250.00	250.00	142.50	142.50	OC21V	2-HEXANONE	
G236DOA	MW-236	08/28/2002	PROFILE	250.00	250.00	142.50	142.50	OC21V	ACETONE	
G236DOA	MW-236	08/28/2002	PROFILE	250.00	250.00	142.50	142.50	OC21V	METHYL ETHYL KETONE (2-BU	

DATA REPORTED REFLECT CURRENT DATABASE FOR SAMPLES COLLECTED IN SPECIFIED TIMEFRAME. NOT ALL RESULTS ARE COMPLETE.

SBD = SAMPLE COLLECTION BEGIN DEPTH IN FEET BGS

SED = SAMPLE COLLECTION END DEPTH IN FEET BGS

BWTS = DEPTH BELOW WATER TABLE, START DEPTH, MEASURED IN FEET

BWTE = DEPTH BELOW WATER TABLE, END DEPTH, MEASURED IN FEET

PDA/YES = Photo Diode Array, Detect Confirmed

PDA/NO = Photo Diode Array, Detect Not Confirmed

* = Interference in sample